

Xavier University of Louisiana

Study Guide for the Xavier Mathematics Placement Test

1. Operations on integers, fractions, decimals and percentages

Practice Problems

Compute the following quantities (no calculator allowed)

1. $(-2)^2 - 2^2 = \boxed{0}$
2. $(-3)(-2)(5) = \boxed{30}$
3. $7 - 3(8 - 2) = \boxed{-11}$
4. $\frac{-12}{3} = \boxed{-4}$
5. $\frac{-35}{-7} = \boxed{5}$
6. $(-5) - (-6) = \boxed{1}$
7. $13 + (-5) = \boxed{8}$
8. $15 - (-2) = \boxed{17}$
9. $\frac{12.36}{0.3} = \boxed{41.2}$
10. 13% of 270 = $\boxed{35.1}$
11. $4^2 - (-4)^2 = \boxed{0}$
12. $6 - 2(1 - 4) = \boxed{12}$
13. $(-3)(-2)(-4) = \boxed{-24}$
14. $\frac{-12}{-2} = \boxed{6}$
15. $1 - (3 - 2) = \boxed{0}$
16. $(4.5)(2.03) = \boxed{9.135}$
17. $\frac{25.8}{0.05} = \boxed{516}$
18. 23% of 605 = $\boxed{139.15}$